

STATIONARY QUEUE FOR SCARCE RESOURCE MANAGEMENT

Abstract of the Disclosure

5 A system and method for managing simultaneous access to
a scarce or serially re-usable resource by multiple process
threads. A stationary queue is provided, including a wait
counter for counting the cumulative number of threads that
have been temporarily denied the resource; a satisfied
counter for counting the cumulative number of threads that
10 have been denied access and subsequently granted access to
said resource; a sleep code routine responsive to the wait
counter for generating a run identifier; and a wakeup code
routine responsive to the satisfied counter for generating
the run identifier.